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1941

**Itinerary**  
**Annual Inspection Trip**  
**of the**  
**College of Engineering**  
**University of Illinois**



**Urbana, Illinois**  
**1941**



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THE LIBRARY OF THE  
JAN 2 1942  
UNIVERSITY OF ILLINOIS

# CURRICULA OF THE COLLEGE OF ENGINEERING

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The curricula offered by the College of Engineering at the University of Illinois include the following:

- Agricultural Engineering
    - Options: Construction & Drainage;  
Machinery & Power
  - Ceramic Engineering
    - Option in Administration
  - Ceramics
  - Civil Engineering
    - Options: General; Highway; Hydraulic;  
Railway; Sanitary; Structural
  - Electrical Engineering
  - Engineering Physics
  - General Engineering
  - Mechanical Engineering
    - Option in Petroleum Production;  
Railway Mechanical
  - Metallurgical Engineering
  - Mining Engineering
    - Options: Coal; Ore; Mining Geology;  
Administration
- 

Graduate work leading to a Master's degree is offered in a wide variety of engineering subjects. Doctor's degrees may be earned in the major fields.

# ANNUAL INSPECTION TRIP COLLEGE OF ENGINEERING UNIVERSITY OF ILLINOIS

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## GENERAL DIRECTIONS

### Be Prompt

ALL MEMBERS of the party are required to report promptly at the appointed time and place. Instructors will call the roll at each place visited and any student absent from roll call will not be permitted to join the party until time for the next event on the itinerary. Absence from roll call is sufficient justification for the dismissal of the student from the party, and for reporting him to the proper authorities at the University.

Hotel arrangements for the party will be made in advance. Students may be permitted to make other arrangements for lodging when such request seems reasonable to the instructor in charge.

### Be Courteous

Permission to visit the several places listed in the itinerary is a courtesy extended to the University which involves some expense and trouble to the management of these companies. Members of the party should be appreciative of this fact and conduct themselves properly as representatives of the University. It is particularly desirable that everyone refrain from smoking within the confines of the plants visited and that all fully observe posted regulations.

Any student who fails to conduct himself prop-

erly during the inspection trip may be dismissed from the party and denied credit for the trip.

Since the University can have no proper control over others than those in regular attendance during these trips, friends of students will not be allowed to accompany the party except by permission previously obtained from the instructor in charge. This privilege will be extended only in rare instances and when the reasons for the request seem fully sufficient.

### **Be Careful**

While members of the faculty who are in immediate charge of these trips will make every effort to provide for the comfort and safety of the students in the party, there is, of course, some slight element of personal danger on railway trains, street cars, and in plants visited. Neither the owners of the plants visited, the University, nor members of the faculty can assume any responsibility for accidents which may occur to students during the trip. Proper care and deportment at all times will greatly reduce the possibility of accidents.

### **Be Observing**

Inspection trips are required because it is believed that the educational advantages resulting from the inspection of large industrial enterprises fully justify the time and expense involved. To realize this ideal, however, students must use every endeavor to secure a correct impression of the places visited, an appreciation of the general nature of the plant inspected and of its product, rather than of minor details.

Each student will be required to submit an acceptable report of the trip to the head of his department or to pass an examination to determine the extent and accuracy of the information secured, at a date to be fixed by the department concerned.

### Railroad and Hotel Service

The Illinois Central Railroad has authorized a special round trip rate of \$2.68 between Champaign and Chicago with certain conditions. Each student making the trip must purchase a ticket sometime between Saturday morning, October 18, and Tuesday noon, October 21. As this rate is good only when there are 150 or more on the same train, students desiring this rate should take the train at 5:50 p.m. Tuesday, October 21. It will be necessary to pay a higher rate on any other train. The return coupons will be good on any train except special fare trains leaving Chicago Friday evening, October 24, Saturday, October 25, or Sunday, October 26.

The procedure for the trip from Chicago to Milwaukee will be as follows: Tickets must be purchased at the Chicago, North Shore and Milwaukee Railroad Terminal, 223 S. Wabash Ave. before boarding the train.

The Chicago headquarters during the trip will be Congress Hotel located on Michigan Avenue at Congress Street. The rates at this hotel will be as follows:

<i>No. in Room</i>	<i>No. of Beds</i>	<i>Bath</i>	<i>Daily Rate per Occupant</i>
2	2	with	\$1.50
3	2*	with	1.25
4	—	with	1.00

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\*Double bed and cot.

## **Student Automobiles**

The University regulations require that a student or instructor driving a car on an inspection trip must have a special permit from the University and that any students riding with him must have the authorization of their parents to do so, and also have travel accident insurance.

## **Absence From Class**

Rule 23 of the regulations for undergraduate students applies for all absences from class just before or just after an inspection trip.

## **Student-Faculty-Alumni Smoker**

In place of the annual "get-together dinner" held in connection with the Engineering Inspection Trip for the last four years, a smoker and program at the Medical Buildings of the University in Chicago will be held on Wednesday evening, October 22, at 8:00 o'clock. The program will be held at the Auditorium of the Medical Building, 1853 West Polk Street, which can be reached on the Elevated by taking a Douglas Park car to Polk Street Station and walking two blocks west. Use the northwest entrance to the building.

The program will include brief greetings from Dean M. L. Enger and responses from a student and an alumni representative. Dr. D. J. Davis, Dean of the College of Medicine, will give a short resume of the present standing of the Chicago divisions of the University in the medical world. Dr. W. H. Welker, Head of the Department of Physiological Chemistry, will give



the principal address of the evening on the "Significant Relations of Engineering and Medicine." Several of the laboratories and operating rooms will then be opened for inspection. A profitable and enjoyable evening is in prospect for all.

Attendance is required of all students who are in Chicago. They and the faculty are to be hosts to the alumni. Tickets are to be purchased in advance of the Inspection Trip at the office of the Associate Dean of the College of Engineering, 300 Engineering Hall. The price will be 30 cents.



## AGRICULTURAL ENGINEERING

### Tuesday—October 21

- 5:50 p. m. Leave Champaign on Illinois Central Railroad for Chicago.
- 8:55 p. m. Arrive at Chicago and proceed to the Congress Hotel located on Michigan Avenue at Congress Street.

### Wednesday—October 22

#### *Chicago Daylight Saving Time for Day's Program*

- 7:15 a. m. Assemble in lobby of Congress Hotel.
- 7:30 a. m. Leave by special bus for Gary, Indiana.
- 9:00 a. m. Visit the Gary Plant of the American Bridge Company.
- 11:15 a. m. Leave American Bridge Company by bus for Gary. Lunch at Gary Y.M.C.A.
- 12:15 p. m. Leave Gary Y.M.C.A. by bus for Universal Atlas Cement Mill at Buffington, Indiana.
- 1:00 p. m. Visit the Universal Atlas Cement Mill.
- 2:15 p. m. Leave Cement Mill to visit Concrete pavement construction at Indianapolis Avenue and 106th Street.
- 3:45 p. m. Visit pavement construction.
- 4:30 p. m. Return to Congress Hotel.
- 8:00 p. m. Attend Student-Faculty-Alumni Smoker in the Auditorium of the University of Illinois Medical Building, 1853 West Polk Street. (See page 6).

## Thursday—October 23

### *Central Standard Time for Day's Program*

6:00 a. m. Leave Chicago via Chicago, North Shore and Milwaukee Railroad, 223 South Wabash Avenue for Milwaukee.

7:50 a. m. Arrive at Milwaukee.

8:00 a. m. Leave North Shore Station on special street cars for Allis - Chalmers Company.

8:30 a. m. Visit plant of Allis - Chalmers Company.

Lunch at Allis-Chalmers Club House at invitation of Allis - Chalmers Company.

1:45 p. m. Leave Allis - Chalmers Company by special street car for plant of Harnischfeger Corporation, 4400 West National Avenue.

2:00 p. m. Enter works of Harnischfeger Corporation.

4:15 p. m. Leave Harnischfeger Corporation by special street car for Public Service Building.

6:15 p. m. Take special train of the Chicago, North Shore and Milwaukee Railroad for Chicago, stopping enroute to inspect substation.

## Friday—October 24

### *Chicago Daylight Saving Time for Day's Program*

7:15 a. m. Assemble in lobby of Congress Hotel.

7:30 a. m. Leave Congress Hotel by special bus for Hawthorne Works of Western Electric Company.

- 8:30 a. m. Enter Gate No. 24 of Western Electric Company.
- 11:00 a. m. Lunch at Western Electric Cafeteria at the invitation of the Company.
- 12:00 noon Leave Western Electric Company by special bus for South Works of Carnegie Illinois Steel Corporation, 3426 East 89th Street.
- 4:30 p. m. Return by special busses to Congress Hotel and disband.

## CERAMIC ENGINEERING

### Wednesday—October 22

- 6:00 a. m.\* Assemble at Ceramics Building.  
Leave by bus for Ottawa, Illinois.
- 9:30 a. m.\* Visit plant of the Chicago Retort  
and Fire Brick Company, Ottawa,  
Illinois.
- 12:00 noon\* Lunch enroute.
- 2:00 p. m.\* Visit plant of the Illinois Clay  
Products Company near Coal City,  
Illinois.
- 4:00 p. m.\* Leave for Chicago. Stop at the  
Congress Hotel, Michigan Avenue  
at Congress Street.
- 8:00 p. m.† Attend Student-Faculty-Alumni  
Smoker in the Auditorium of the  
University of Illinois Medical  
Building, 1853 West Polk Street.  
(See page 6).

### Thursday—October 23

#### *Chicago Daylight Saving Time for Day's Program*

- 7:00 a. m. Leave Congress Hotel by bus to visit  
plant of the Haeger Potteries, Inc.,  
Dundee, Illinois.
- 11:30 a. m. Leave for Crystal Lake, Illinois.  
Lunch as guests of the American  
Terra Cotta Corporation.
- 1:30 p. m. Visit plant of the American Terra  
Cotta Corporation, Terra Cotta,  
Illinois.
- 4:00 p. m. Return to Congress Hotel.

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\*Central Standard Time.

†Chicago Daylight Saving Time.

## Friday—October 24

### *Chicago Daylight Saving Time for Day's Program*

- 7:00 a. m. Leave Congress Hotel by bus for Plant 22 of the Illinois Brick Company at Blue Island, Illinois.
- 12:00 noon Lunch at the Cafeteria of the Edison General Electric Company as guests of the Company.
- 1:00 p. m. Visit plant of the Edison General Electric Company, 5600 West Taylor Street, Chicago, Illinois.
- 3:00 p. m. Visit plant of the Chicago Vitreous Enamel Product Company, 1407 South 55th Court, Cicero, Illinois.
- 5:00 p. m. Return to Congress Hotel.

## Saturday—October 25

### *Chicago Daylight Saving Time for Day's Program*

- 7:30 a. m. Leave Congress Hotel by bus for the Harbison-Walker Refractories Company, 4343 Kennedy Avenue, East Chicago, Indiana.
- 11:00 a. m. Return to Congress Hotel.

## CIVIL ENGINEERING

### Tuesday—October 21

- 5:50 p. m. Leave Champaign on Illinois Central train for Chicago.
- 8:55 p. m. Arrive at Chicago and proceed to Congress Hotel, Congress Street and Michigan Avenue.

### Wednesday—October 22

#### *Chicago Daylight Saving Time for Day's Program*

- 7:15 a. m. Assemble in lobby of Congress Hotel.
- 7:30 a. m. Leave by special bus from the hotel for Gary, Indiana.
- 9:00 a. m. Visit the Gary Plant of the American Bridge Company.
- 11:15 a. m. Bus to Gary. Lunch at Gary Y.M.C.A.
- 12:15 p. m. Leave Gary Y.M.C.A. by bus for Universal Atlas Cement Mill at Buffington, Indiana.
- 1:00 p. m. Visit the Universal Atlas Cement Mill.
- 2:15 p. m. Leave the Cement Mill for concrete pavement under construction at Indianapolis Avenue and 106th Street.
- 3:45 p. m. Visit pavement construction.
- 4:30 p. m. Leave pavement construction for Congress Hotel.
- 8:00 p. m. Attend Student-Faculty-Alumni Smoker in the Auditorium of the University of Illinois Medical Building, 1853 West Polk Street. (See page 6).



## Thursday—October 23

### *Chicago Daylight Saving Time for Day's Program*

- 8:30 a. m. Assemble at State Street on the north side of Wacker Drive to inspect cofferdam construction for new State Street bridge.
- 8:50 a. m. Walk to the northwest corner of Michigan Avenue and Wacker Drive.
- 9:00 a. m. Take boat trip for inspection of movable bridges over the Chicago River. (Boat by courtesy of the City of Chicago.)
- 12:00 noon Lunch in the Loop.
- 12:50 p. m. Assemble at southwest corner of Michigan Avenue and Wacker Drive.
- 1:00 p. m. Leave by special bus for new water filtration plant under construction at 79th Street and the Lake.
- 1:45 p. m. Inspect water filtration plant construction.
- 4:30 p. m. Leave filtration plant construction for the hotel.
- 5:15 p. m. Arrive at hotel and dismiss for the day.

## Friday—October 24

### *Chicago Daylight Saving Time for Day's Program*

- 7:15 a. m. Assemble in lobby of Congress Hotel.
- 7:30 a. m. Leave by special bus from the hotel for the Southwest Sewage Disposal Plant.

- 8:15 a. m. Visit Southwest Sewage Disposal Plant.
- 10:00 a. m. Leave Southwest Sewage Disposal Plant for McKeown Brothers Company.
- 10:15 a. m. Visit McKeown Brothers Company at 5235 South Keeler Avenue, manufacturers of timber structures.
- 11:00 a. m. Leave McKeown Brothers Company for Jewel Tea Warehouse under construction at 51st Street and Kedzie Avenue.
- 11:15 a. m. Visit Jewel Tea Warehouse construction.
- 11:55 a. m. Leave Warehouse construction for the corner of 64th and Kenwood Avenue.
- 12:20 p. m. Lunch in the Woodlawn area.
- 12:55 p. m. Assemble at the corner of 64th and Kenwood Avenue.
- 1:00 p. m. Leave corner of 64th and Kenwood for the Wisconsin Steel Company plant at 106th and Torrence Avenue.
- 1:30 p. m. Visit the Wisconsin Steel Works.
- 4:15 p. m. Leave Steel Works for Congress Hotel and dismiss for the day.

### **Saturday—October 25**

#### *Chicago Daylight Saving Time for Day's Program*

- 7:15 a. m. Assemble in lobby of Congress Hotel.
- 7:30 a. m. Leave by special bus from the hotel.

- 8:00 a. m. Visit the Horween Leather Company building at Ashland and Elston Avenues.
- 8:20 a. m. Leave Horween Company building.
- 9:00 a. m. Visit shore erosion work at Lake Michigan and foot of Greenleaf Street, Evanston, Illinois.
- 9:20 a. m. Leave shore erosion work.
- 9:30 a. m. Visit Evanston Filter Plant.
- 10:30 a. m. Leave Filter Plant for Baha'i Temple at Wilmette, Illinois.
- 10:45 a. m. Visit Baha'i Temple.
- 11:45 a. m. Leave Temple for Congress Hotel, Chicago.
- 12:45 p. m. Arrive at hotel and disband.

## ELECTRICAL ENGINEERING

### Tuesday—October 21

- 5:50 p. m. Leave on Illinois Central Train for Chicago.
- 8:55 p. m. Arrive at Chicago and proceed to Congress Hotel located on Michigan Avenue at Congress Street.

### Wednesday—October 22

#### *Chicago Daylight Saving Time for Day's Program*

- 8:00 a. m. Leave Congress Hotel in special motor coaches for Wells-Gardner plant at 2701 N. Kildare Avenue.
- 8:45 a. m. Enter Wells-Gardner plant.
- 11:00 a. m. Leave Wells-Gardner plant in special coaches for lunch at Lawson Y.M.C.A.
- 12:45 p. m. Leave Y.M.C.A. for General Electric Company Service Shops at 840 S. Canal Street.
- 1:15 p. m. Enter General Electric Shops.
- 2:30 p. m. Leave General Electric Shops in special motor coaches for Curtis Lighting Plant at 6135 W. 65th Street.
- 4:30 p. m. Leave Curtis Lighting Plant for hotel.
- 8:00 p. m. Attend Student-Faculty-Alumni Smoker in the Auditorium of the University of Illinois Medical Building, 1853 West Polk Street. (See page 6).

## Thursday—October 23

### *Central Standard Time for Day's Program*

- 6:00 a. m. Leave via special train on Chicago, North Shore and Milwaukee Railroad, 223 South Wabash Avenue, for Milwaukee.
- 7:50 a. m. Arrive at Milwaukee.
- 8:00 a. m. Leave North Shore Station on special street cars for works of Allis-Chalmers Company.
- 8:30 a. m. Enter work of Allis-Chalmers Company.
- Lunch at Allis-Chalmers Club at invitation of Allis-Chalmers Company.
- 1:45 p. m. Leave Allis-Chalmers Company on special street cars for works of Harnischfeger Corporation, 4400 W. National Avenue.
- 2:00 p. m. Enter works of Harnischfeger Corporation.
- 4:15 p. m. Leave on special street cars for Public Service Building.
- 6:15 p. m. Take special train at Chicago, North Shore and Milwaukee Railroad Terminal, stopping to inspect substation enroute to Chicago.

## Friday—October 24

### *Chicago Daylight Saving Time for Day's Program*

- 7:30 a. m. Leave any loop elevated station (inside loop) on Douglas Park Branch of Chicago Rapid Transit Company. Leave train at Kildare Station for Gate No. 24 on Kenneth Avenue of the Hawthorne Works of Western Electric Company.

- 8:30 a. m. Start inspection of Western Electric Plant.
- 11:00 a. m. Lunch at Western Electric Cafeteria as guests of the Company.
- 12:00 noon Leave in special busses for South Works of the Carnegie Illinois Steel Corporation, 3426 East 89th Street.
- 4:30 p. m. Leave on special busses for Congress Hotel.

## GENERAL ENGINEERING

### Tuesday—October 21

- 5:50 p. m. Leave Champaign on Illinois Central Railroad for Chicago.
- 8:55 p. m. Arrive at Chicago and proceed to the Congress Hotel located on Michigan Avenue at Congress Street.

### Wednesday—October 22

#### *Chicago Daylight Saving Time for Day's Program*

- 7:15 a. m. Assemble in lobby of Congress Hotel.
- 7:30 a. m. Leave by special bus for Gary, Indiana.
- 9:00 a. m. Visit the Gary Plant of the American Bridge Company.
- 11:15 a. m. Leave American Bridge Company by bus for Gary. Lunch at Gary Y.M.C.A.
- 12:15 p. m. Leave Gary Y.M.C.A. by bus for Universal Atlas Cement Mill at Buffington, Indiana.
- 1:00 p. m. Visit the Universal Atlas Cement Mill.
- 2:15 p. m. Leave Cement Mill to visit Concrete pavement construction at Indianapolis Avenue and 106th Street.
- 3:45 p. m. Visit pavement construction.
- 4:30 p. m. Return to Congress Hotel.
- 8:00 p. m. Attend Student-Faculty-Alumni Smoker in the Auditorium of the University of Illinois Medical Building, 1853 West Polk Street. (See page 6).

## Thursday—October 23

### *Central Standard Time for Day's Program*

- 6:00 a. m. Leave Chicago via Chicago, North Shore and Milwaukee Railroad, 223 South Wabash Avenue for Milwaukee.
- 7:50 a. m. Arrive at Milwaukee.
- 8:00 a. m. Leave North Shore Station on special street cars for Allis - Chalmers Company.
- 8:30 a. m. Visit plant of Allis-Chalmers Company.
- Lunch at Allis-Chalmers Club House at invitation of Allis - Chalmers Company.
- 1:45 p. m. Leave Allis-Chalmers Company by special street car for plant of Harnischfeger Corporation, 4400 West National Avenue.
- 2:00 p. m. Enter plant of Harnischfeger Corporation.
- 4:15 p. m. Leave Harnischfeger Corporation by special street car for Public Service Building.
- 6:15 p. m. Take special train of the Chicago, North Shore and Milwaukee Railroad for Chicago, stopping enroute to inspect substation.

## Friday—October 24

### *Chicago Daylight Saving Time for Day's Program*

- 7:15 a. m. Assemble in lobby of Congress Hotel.
- 7:30 a. m. Leave Congress Hotel by special bus for Hawthorne Works of Western Electric Company.



- 8:30 a. m. Enter Gate No. 24 of Western Electric Company.
- 11:00 a. m. Lunch at Western Electric Cafeteria at the Invitation of the Company.
- 12:00 noon Leave Western Electric Company by special bus for South Works of Carnegie Illinois Steel Corporation, 3426 East 89th Street.
- 4:30 p. m. Return by special busses to Congress Hotel and disband.

## MECHANICAL ENGINEERING

### Tuesday—October 21

- 5:50 p. m. Leave Champaign on Illinois Central Train for Chicago.  
8:55 p. m. Arrive at Chicago, and proceed to the Congress Hotel located on Michigan Avenue at Congress Street.

### Wednesday—October 22

#### *Chicago Daylight Saving Time for Day's Program*

- 7:45 a. m. Assemble in lobby of Congress Hotel.  
7:50 a. m. Leave Congress Hotel via busses for Western Electric Company.  
8:30 a. m. Visit Western Electric Company.  
11:30 a. m. Luncheon as guests of the Western Electric Company.  
12:15 p. m. Leave Western Electric Company for the Tractor Works of The International Harvester Company.  
12:45 p. m. Visit Tractor Works, International Harvester Company.  
5:00 p. m. Return to Congress Hotel.  
8:00 p. m. Attend Student-Faculty-Alumni Smoker in the Auditorium of the University of Illinois Medical Building, 1853 West Polk Street.  
(See page 6).

### Thursday—October 23

#### *Chicago Daylight Saving Time for Day's Program*

- 7:50 a. m. Assemble in lobby of Congress Hotel.  
8:00 a. m. Leave Congress Hotel via busses for Wisconsin Steel Works.

- 9:00 a. m. Visit Wisconsin Steel Works.  
12:30 p. m. Luncheon at South Chicago Y.M.C.A.  
1:00 p. m. Visit the Power Plant of Carnegie-  
Illinois Steel Company.  
5:00 p. m. Return to Congress Hotel.

### Friday—October 24

- 7:30 a. m.† Leave the 233 South Wabash Station, Chicago, on North Shore and Milwaukee Railroad, for Milwaukee.  
8:30 a. m.\* Arrive at Milwaukee, and leave station via busses for the Allis-Chalmers Company.  
9:00 a. m.\* Visit the Allis-Chalmers Company.  
12:30 p. m.\* Luncheon at Allis-Chalmers Club House as guests of the Allis-Chalmers Company.  
1:00 p. m.\* Visit Kearney and Trecker plant.  
4:20 p. m.\* Leave via busses for North Shore Station.  
5:00 p. m.\* Leave for Chicago, and disband.

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†Chicago Daylight Saving Time.

\*Central Standard Time.

# DEPARTMENT OF MINING AND METALLURGICAL ENGINEERING

## Metallurgical Engineering

### Tuesday—October 21

- 5:50 p. m. Entrain Illinois Central Railroad for Chicago.
- 8:55 p. m. Arrive at Chicago and proceed to Congress Hotel located on Michigan Avenue at Congress Street.

### Wednesday—October 22

#### *Chicago Daylight Saving Time for Day's Program*

- 8:15 a. m. Leave Congress Hotel and proceed via bus to International Harvester Company, 2600 West 31st Boulevard.
- 9:00 a. m. Visit International Harvester Company.
- 12:00 noon Leave International Harvester Company and proceed via bus to Museum of Science and Industry, Jackson Park. Lunch at Cafeteria.
- 1:00 p. m. Visit Museum of Science and Industry.
- 4:45 p. m. Leave Museum of Science and Industry and proceed via bus to Congress Hotel.
- 8:00 p. m. Attend Student-Faculty-Alumni Smoker in the Auditorium of the University of Illinois Medical Building, 1853 West Polk Street. (See page 6).

## Thursday—October 23

### *Chicago Daylight Saving Time for Day's Program*

- 8:00 a. m. Leave Congress Hotel and proceed via bus to Carnegie-Illinois Steel Corporation, South Works, South Chicago.
- 9:00 a. m. Visit Carnegie-Illinois Steel Corporation, South Works.
- 12:00 noon Leave Carnegie-Illinois South Works and proceed via bus to International Harvester, Wisconsin Steel Works, South Chicago.
- 1:00 p. m. Visit International Harvester, Wisconsin Steel Works.
- 4:30 p. m. Leave International Harvester, Wisconsin Steel Works and proceed via bus to Congress Hotel.

## Friday—October 24

### *Chicago Daylight Saving Time for Day's Program*

- 8:00 a. m. Leave Congress Hotel and proceed via bus to International Smelting and Refining Company, East Chicago, Indiana.
- 9:00 a. m. Visit International Smelting and Refining Company.
- 12:00 noon Leave International Smelting and Refining Company and proceed via bus to Federated Metals Division, American Smelting and Refining Company, Whiting, Indiana.

1:00 p. m. Visit Federated Metals Division,  
American Smelting and Refining  
Company.

4:00 p. m. Leave Federated Metals Division,  
American Smelting and Refining  
Company and proceed via bus to  
Congress Hotel.

### **Saturday—October 25**

#### *Chicago Daylight Saving Time for Day's Program*

8:00 a. m. Leave Congress Hotel and proceed  
via bus to American Manganese  
Steel Division, Chicago Heights.

9:00 a. m. Visit American Manganese Steel Di-  
vision.

12:00 noon Return to Congress Hotel via bus,  
and disband.

# DEPARTMENT OF MINING AND METALLURGICAL ENGINEERING

## Mining Engineering

### Tuesday—October 21

- 2:00 p. m. Assemble at Ceramics Building.  
Leave by automobile for Bonne  
Terre, Missouri.
- 8:00 p. m. Arrive at Bonne Terre, Missouri.  
Lodging at Texaco Town Cabins.

### Wednesday—October 22

- 7:30 a. m. Leave Bonne Terre by automobile to  
visit Federal Division of St.  
Joseph Lead Company at Flat  
River, Missouri.
- 12:00 noon Lunch in Flat River, Missouri.
- 1:00 p. m. Leave Flat River to visit concen-  
trator of St. Joseph Lead Com-  
pany.
- 3:30 p. m. Leave concentrator to drive to West  
Frankfort, Illinois.
- 9:30 p. m. Arrive at West Frankfort, Illinois.  
Lodging at Dimmick Hotel.

### Thursday—October 23

- 6:30 a. m. Leave hotel by automobile to visit  
mines of Old Ben Coal Corpora-  
tion near West Frankfort, Illinois.
- 12:00 noon Lunch in Benton, Illinois.
- 1:00 p. m. Visit coal preparation and briquetting  
plant of Old Ben Coal Corpora-  
tion at Buckner, Illinois.
- 4:30 p. m. Return to Dimmick Hotel at West  
Frankfort, Illinois.

### Friday—October 24

- 7:00 a. m. Leave hotel by automobile to visit strip mine and coal preparation plant of Sahara Coal Company at Harrisburg, Illinois.
- 12:00 noon Lunch in Harrisburg, Illinois.
- 1:00 p. m. Visit underground coal mine of Sahara Coal Company.
- 4:30 p. m. Return to Harrisburg, Illinois. Lodging at Saline Hotel.

### Saturday—October 25

- 7:00 a. m. Leave by automobile for Cave-in Rock, Illinois.
- 8:00 a. m. Visit mine of Mahoning Mining Company.
- 10:00 a. m. Leave Cave-in Rock for Rosiclare, Illinois.
- 10:30 a. m. Visit mill of Mahoning Mining Company at Rosiclare, Illinois.
- 12:00 noon Lunch in Rosiclare, Illinois.
- 1:00 p. m. Visit mine of Rosiclare Lead and Fluorspar Company.
- 2:30 p. m. Visit mine of Hillside Fluor Spar Mines.
- 4:30 p. m. Leave Rosiclare for Champaign, Illinois, and disband.



# DEPARTMENT OF AGRICULTURAL ENGINEERING

## Faculty

Professor C. H. Springer

## Seniors

Pitcher, James R.  
Smith, Phillip A.

Stough, John C.

# DEPARTMENT OF CERAMIC ENGINEERING

## Faculty

Professor R. K. Hursh  
Professor A. I. Andrews

## Seniors

Braden, R. M.	Miller, H.
Buehler, B.	Miller, M. M.
Cross, O.	Pelz, R. W.
Devorkin, R. A.	Prater, A. D.
Forth, R. D.	Price, G. M.
Gagin, L. V.	Roe, R. F.
Gibbs, M.	Rowe, R. W.
Giles, R. A.	Salch, C.
Grove, R. L.	Schatzkin, H.
Gruner, M. N.	Stein, B.
Kagan, F.	Stevens, D. K.
McLaughlin, W. H.	Stull, C. W.
McTaggart, R. W.	Windmiller, L.

# DEPARTMENT OF CIVIL ENGINEERING

## Faculty

Prof. H. E. Babbitt  
Prof. Jamison Vawter  
Prof. Wm. A. Oliver

## Seniors

Aladjem, N. T.	Manion, Don
Andrlik, Edward R.	Mazzucco, A.
Atkins, Clinton	Munse, Wm.
Barsh, Norman	Musser, Robert
Bell, Rodney	Nickell, R. B.
Bhasavanich, Udom	Olson, Charles
Brown, Jay	Orpa, Temel
Burch, Virgil	Pflanz, Erne
Campbell, Clyde	Plail, John
Clapper, Robert	Plail, Karl
Conant, John	Pratscher, Earl
DeHart, Wm.	Punyagupta, Samporn
Dietiker, Francis	Quon, Harry
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